DigiKeyer and Ham Radio Deluxe with DM780 setup guide

Router setup:

Note: **The specific port numbers do not matter. The key is consistency - the same port number must be used for each function every time it is used.**
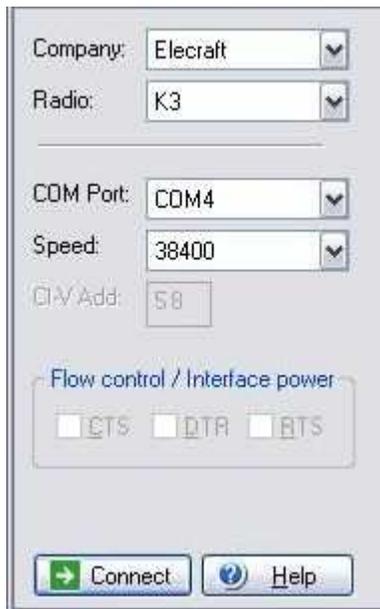
1. Assign the radio control virtual COM port.

2. Assign RTS for PTT on the same port as CAT. This will be used for PTT by HRD.

3. Assign a port for CW.

4. Assign RTS for 2nd PTT on the same port as CW. CW and 2nd PTT will be used by DM780.

5. Do not set a port for FSK – Ham Radio Deluxe and DM780 do not support FSK

6. On the **Keying tab** set "Serial port PTT" to PTT and select PA PTT/LNA PTT as appropriate.

7. Save settings to a preset by selecting menu **Preset | Save as.** Choose a position and name it HRD/DM780.
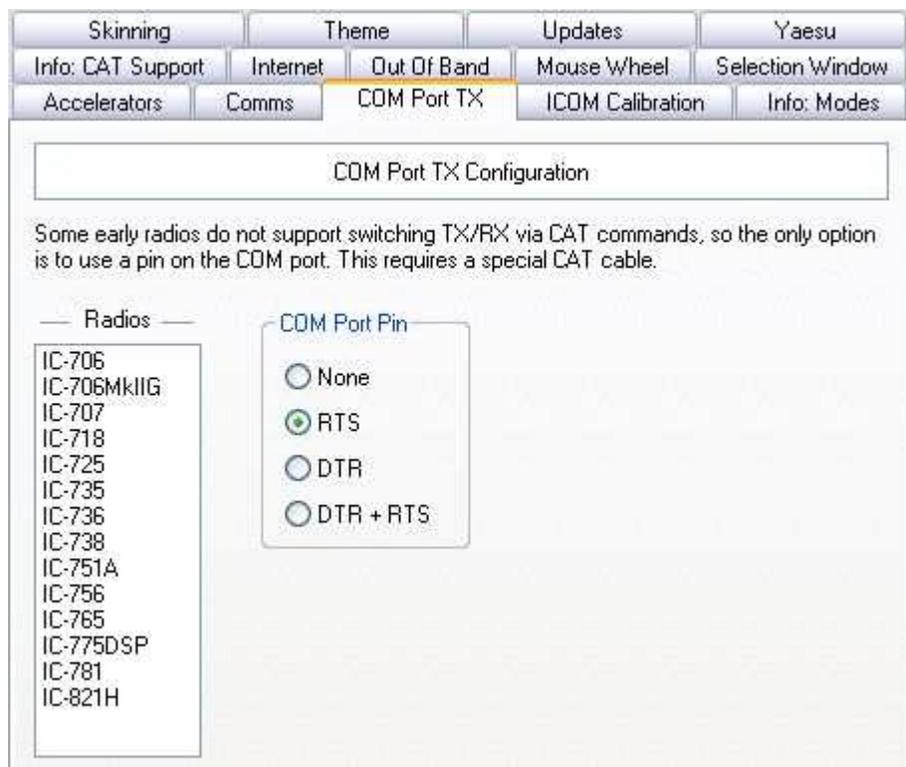
Ham Radio Deluxe setup:

1. Select your transceiver manufacturer and model.

2. Select the virtual port you set for CAT in Router.

3. Set the data rate for your transceiver's CAT connection.

4. Click "Connect"

5. Select "Options | COM Port TX"

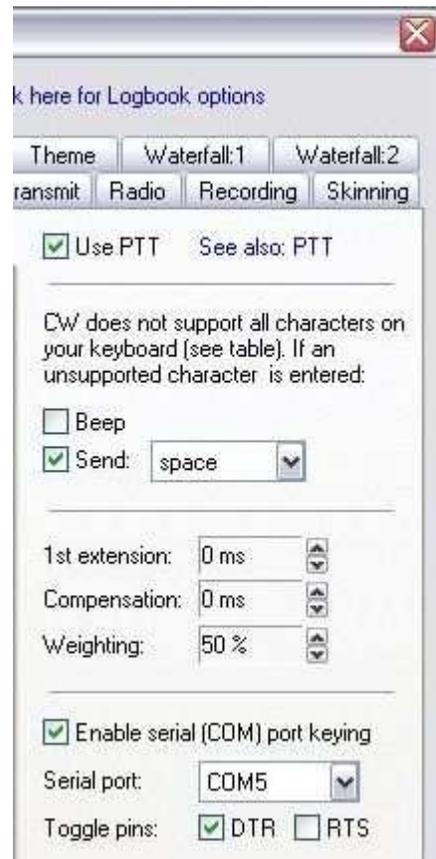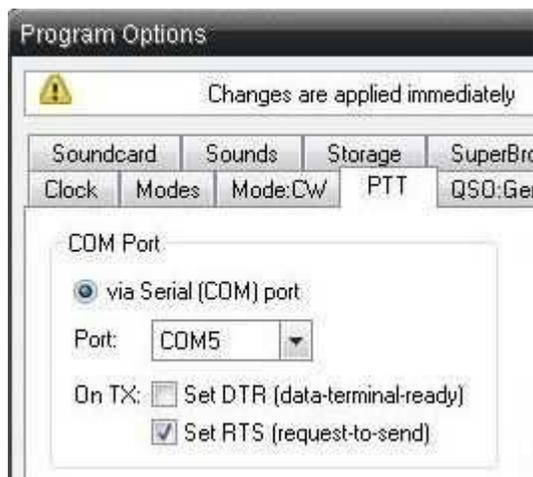6. Set COM Port Pin to RTS

DM 780 setup:

1. Start DM780

2. Select Soundcard | Options

3. Set the Input (Receive) device to USB Audio CODEC

4. Set the Output (Transmit) device to USB Audio CODEC

5. Set the Output (Transmit) level to 0 dB.

6. Select "Mode: CW" and check "enable serial (COM) port keying.

7. Check "use PTT" unless you prefer QSK CW

8. Set the serial port you selected for CW in Router and check "DTR"

9. Select the PTT tab

10. Select "via Serial (COM) port"

11. Set the serial port you selected for DM780 (2nd PTT) in Router and check "Set RTS"